

ABSTRACT

The invention relates to a soundproof thermal shield (3), particularly for motor vehicles, comprising an aluminium support (4), a noise-absorbing layer (6) and an aluminium thermal covering (7). In order to make the inventive soundproof thermal shield easy to recycle while obtaining a great thermal shielding effect and noise-absorbing power, a permeable mat made of knitted aluminium is used as a noise-absorbing layer (6), said knitted aluminium being superimposed in several layers and pressed so as to form the permeable mat. The inventive thermal shield is thus made of a single material. Preferably, the support (4) is made of a microperforated aluminium sheet while the thermal covering (7) is preferably made from an aluminium film.

Fig. 1 is intended for the abstract.